

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066896.D
 Acq On : 26 Sep 2020 03:06
 Operator : VA/SY
 Sample : L4154-06
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(10-12)

Quant Time: Sep 26 06:39:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	832599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	836788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	392236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	240268	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.91	113	258571	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.34	98	1011842	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.63	95	371871	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	

Target Compounds

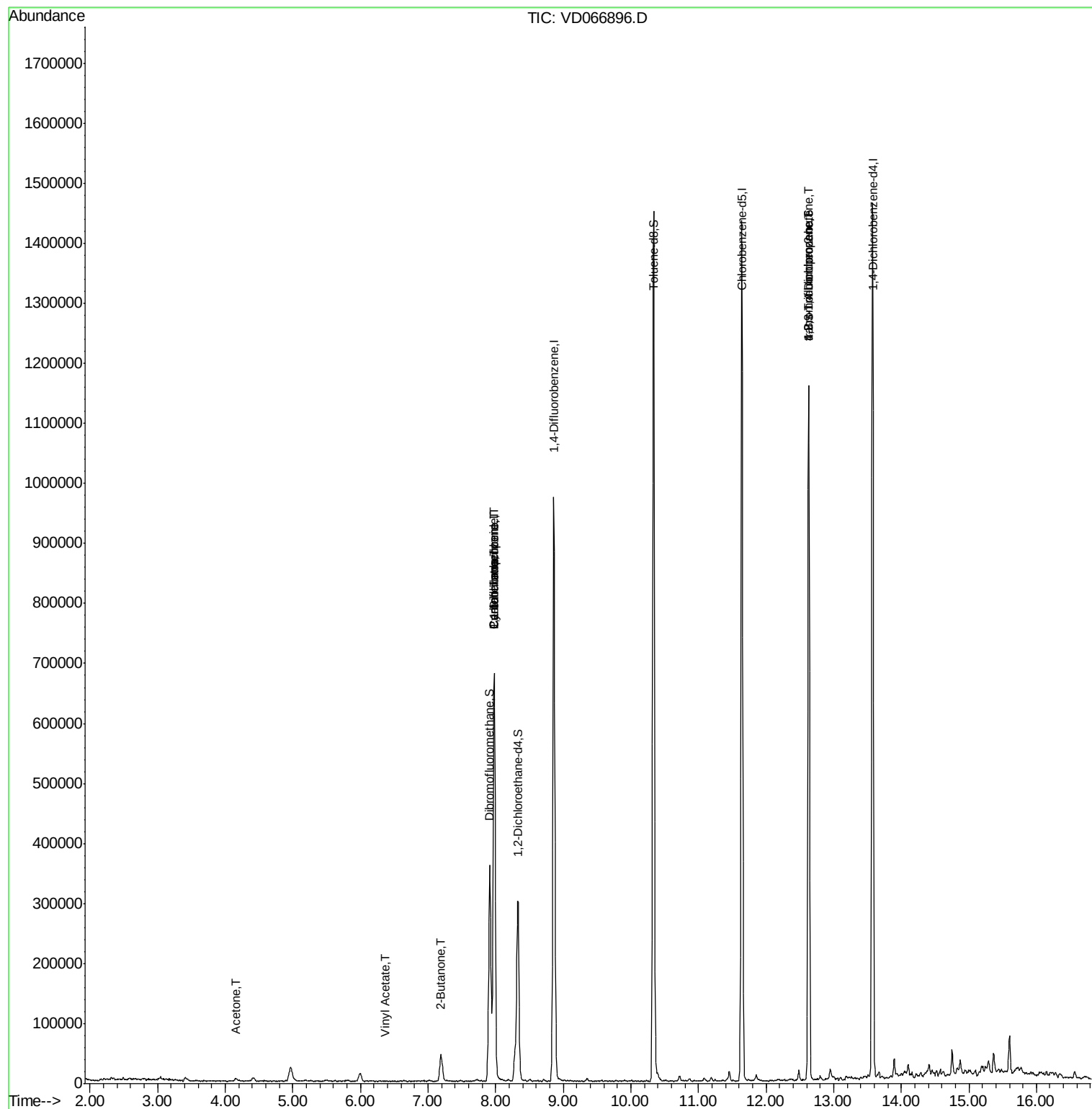
						Qvalue
2) Dichlorodifluoromethane	1.99	85	665	Below Cal	#	47
11) Tert butyl alcohol	5.20	59	1413	Below Cal	#	72
16) Acetone	4.17	43	8649	8.387	ug/l	98
18) Methyl Acetate	4.71	43	57	Below Cal	#	50
20) Methylene Chloride	4.97	84	17027	Below Cal	#	94
23) Vinyl Acetate	6.36	43	114	2.686	ug/l #	71
25) 2-Butanone	7.19	43	1595	1.287	ug/l #	46
31) Cyclohexane	7.98	56	11476	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39986	4.841	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50615	5.605	ug/l #	19
49) 1,4-Dioxane	9.46	88	61	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	191575	58.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	191575	147.454	ug/l #	10

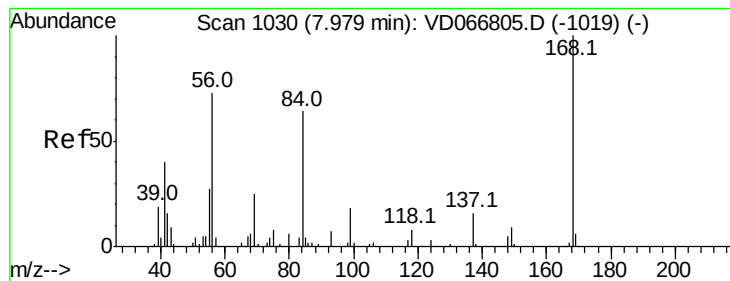
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

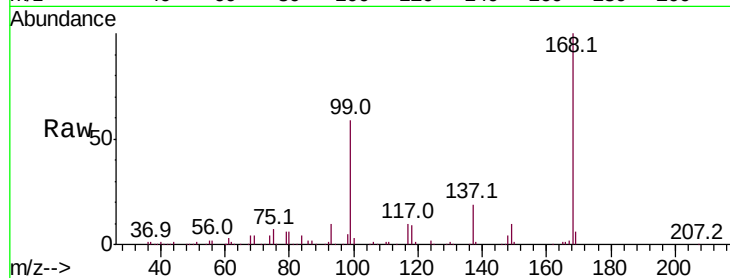
B-4(10-12)

Tot Ion:168 Resp: 496695

Ion Ratio Lower Upper

168 100

99 58.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

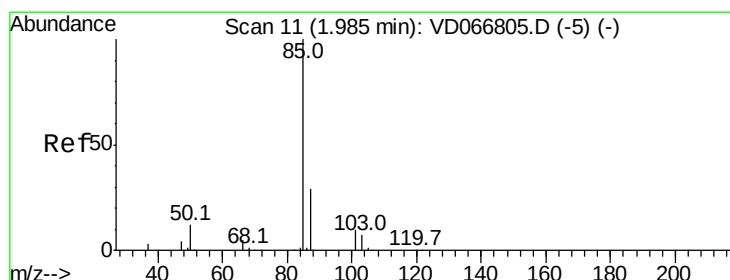
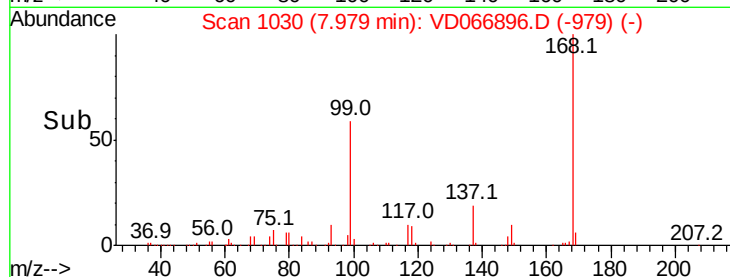
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066896.D

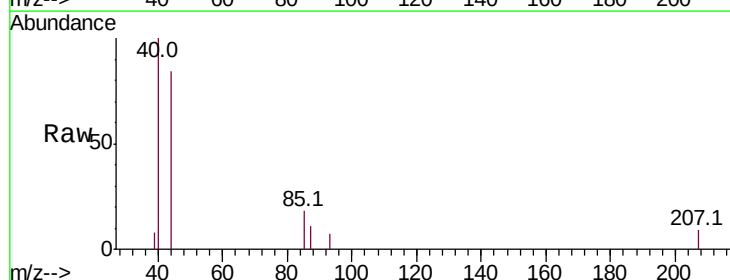
Acq: 26 Sep 2020 03:06

Tgt Ion: 85 Resp: 665

Ion Ratio Lower Upper

85 100

87 57.3 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

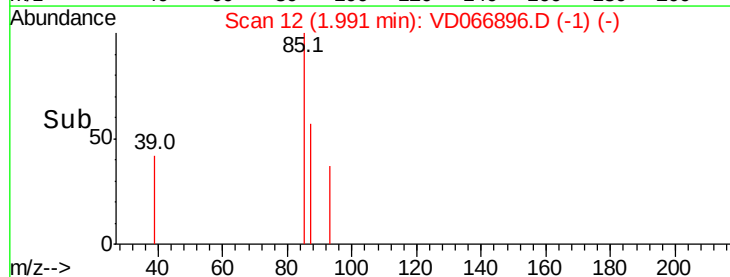
300

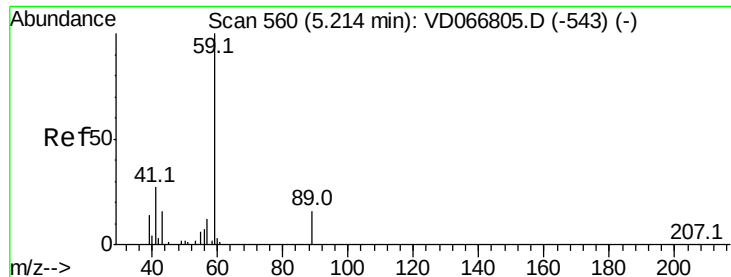
200

100

0

Time-->



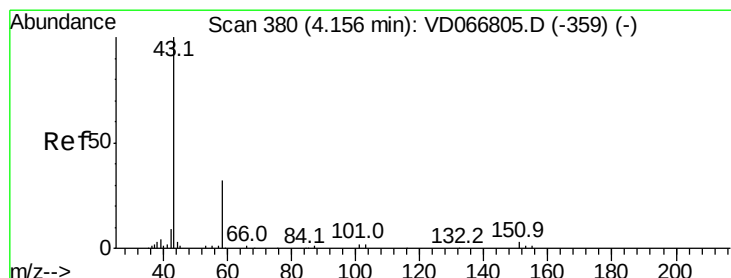
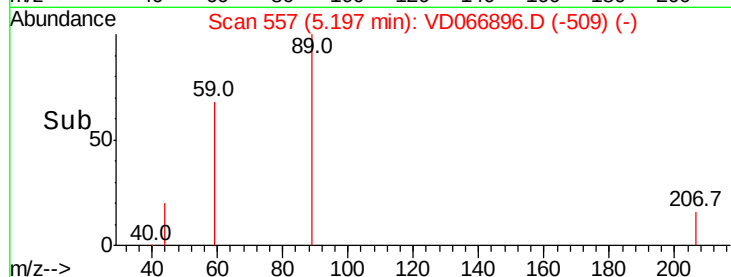
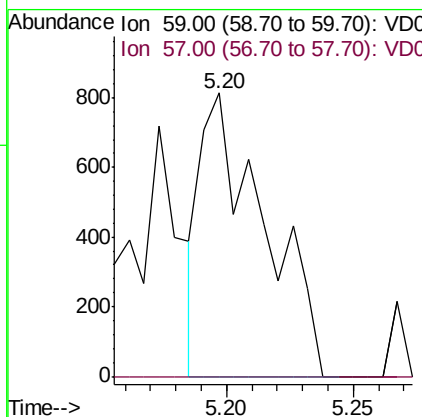
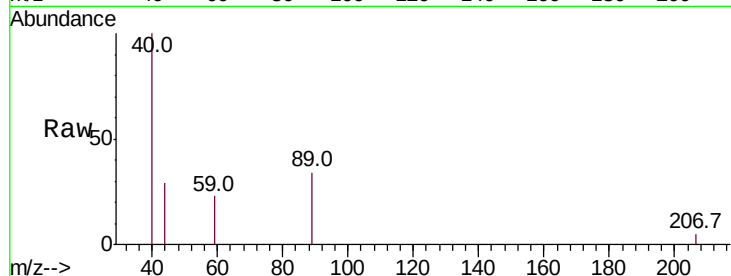


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066896.D
 Acq: 26 Sep 2020 03:06

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(10-12)

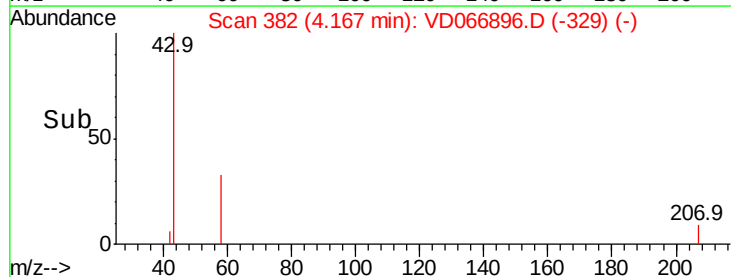
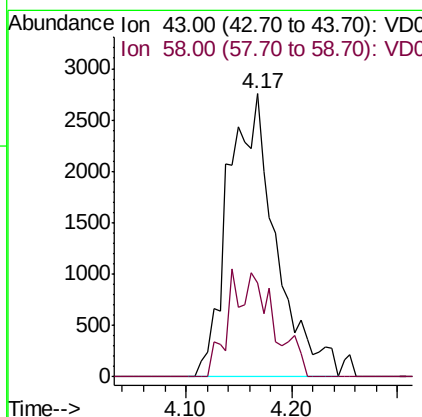
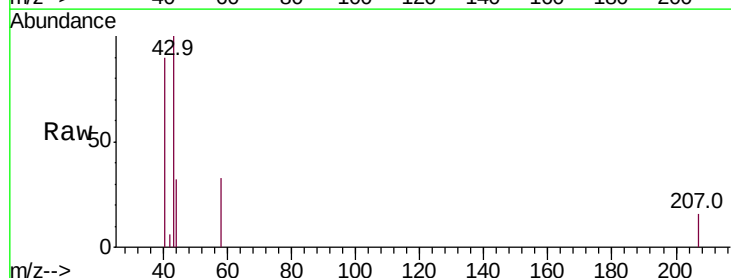
Tot Ion: 59 Resp: 1413
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

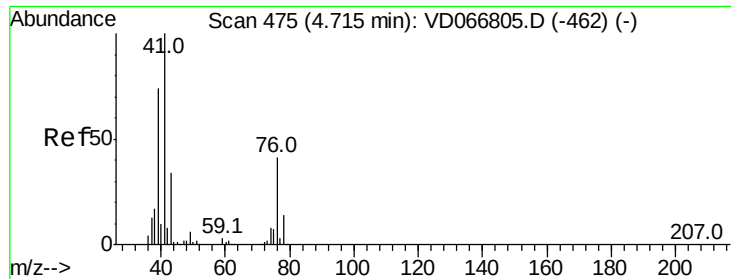


#16

Acetone
 Concen: 8.387 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066896.D
 Acq: 26 Sep 2020 03:06

Tgt Ion: 43 Resp: 8649
 Ion Ratio Lower Upper
 43 100
 58 33.2 25.6 38.4

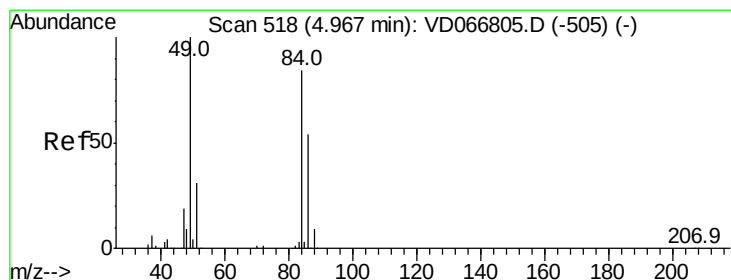
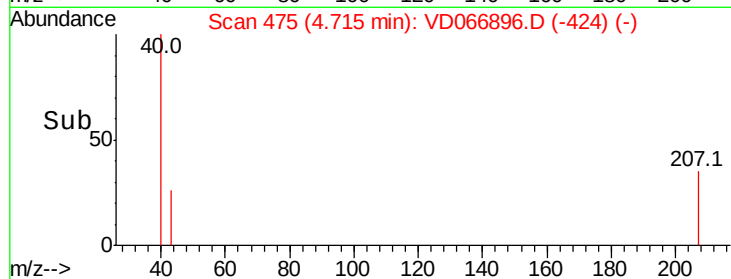
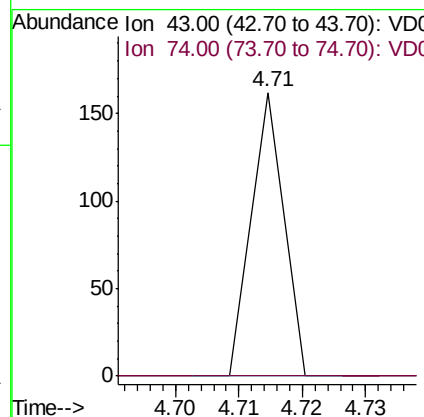
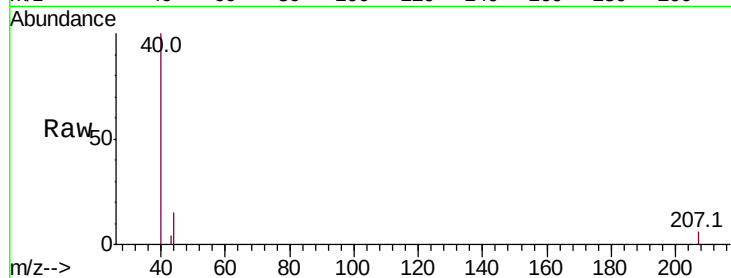




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

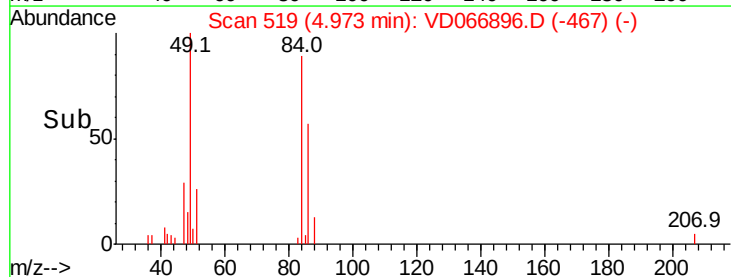
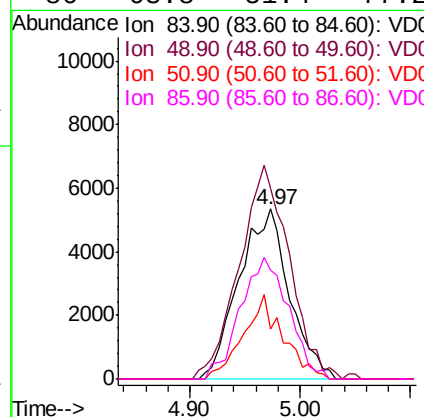
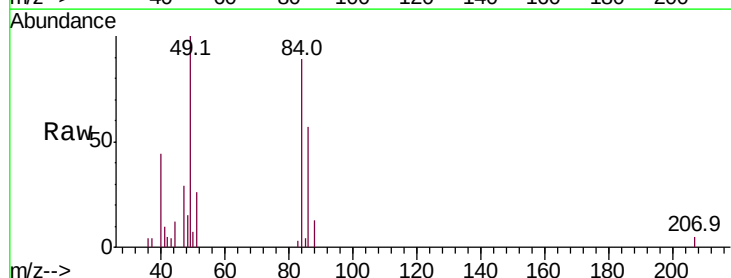
Instrument :
MSVOA_D
ClientSampleId :
B-4(10-12)

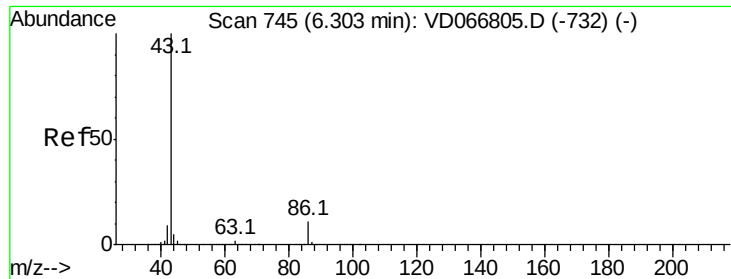
Tot Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Tgt Ion: 84 Resp: 17027
Ion Ratio Lower Upper
84 100
49 112.4 95.4 143.2
51 29.5 29.7 44.5#
86 63.8 51.4 77.2





#23

Vinyl Acetate

Concen: 2.686 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.06 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

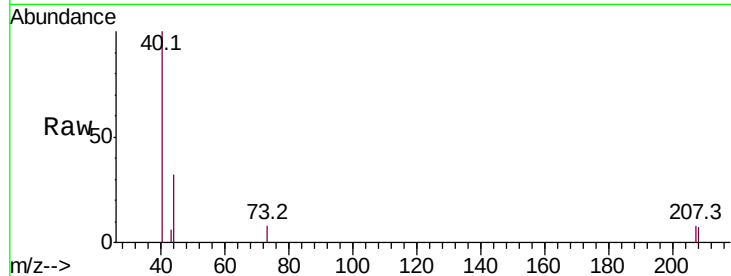
B-4(10-12)

Tot Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.36

150

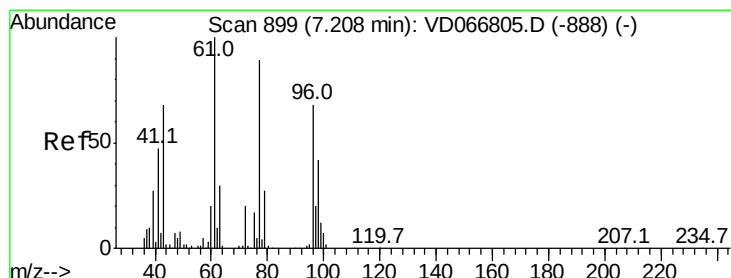
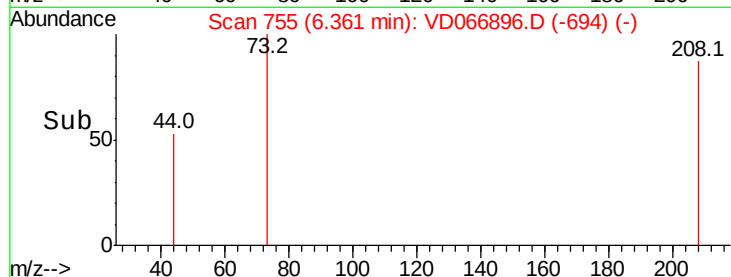
100

50

0

6.34 6.36 6.38

Time-->



#25

2-Butanone

Concen: 1.287 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066896.D

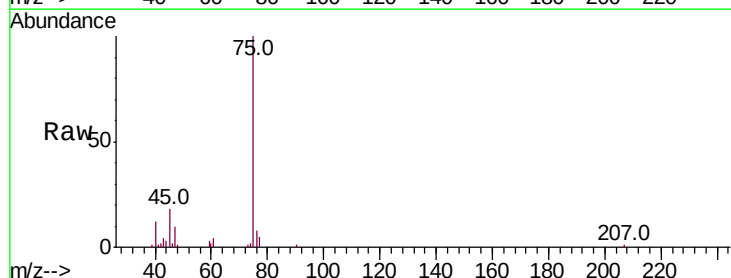
Acq: 26 Sep 2020 03:06

Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.19

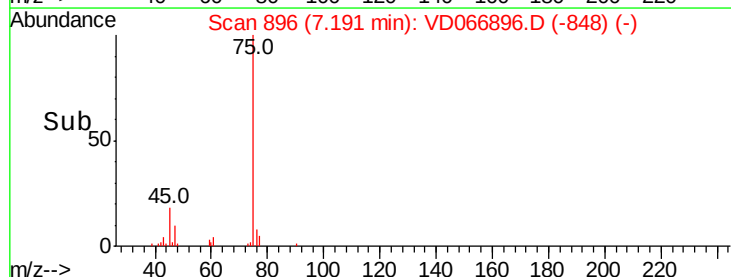
1000

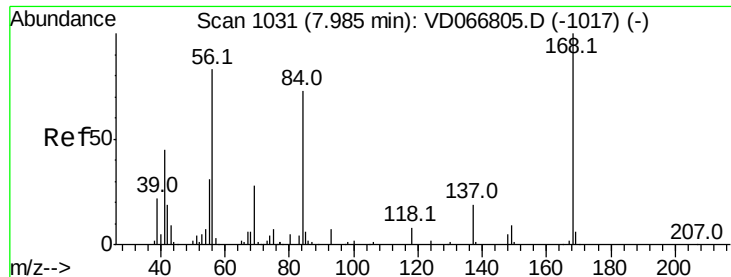
500

0

7.15 7.20

Time-->

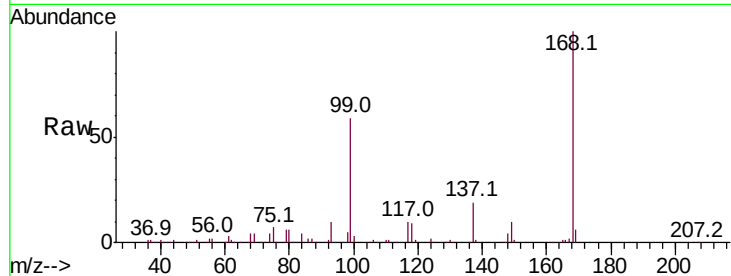




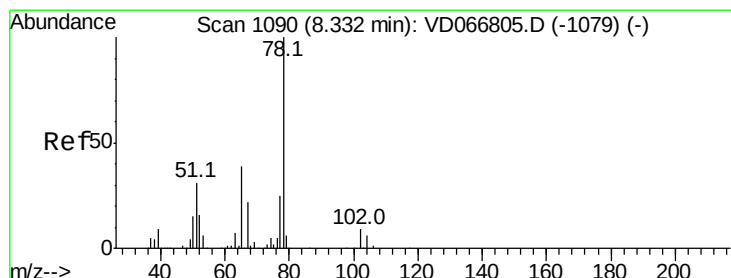
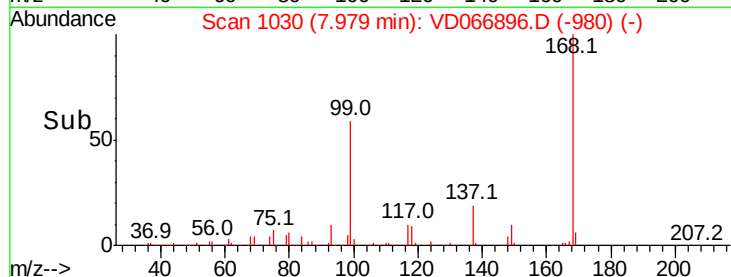
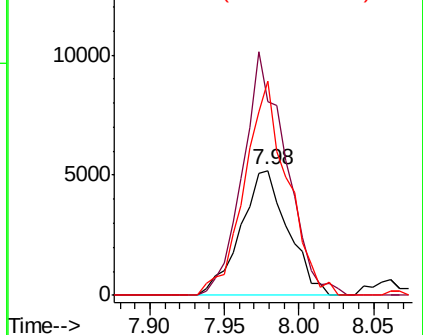
#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Instrument :
MSVOA_D
ClientSampleId :
B-4(10-12)

Tot Ion: 56 Resp: 11476
Ion Ratio Lower Upper
56 100
69 154.9 27.0 40.4#
84 171.2 70.2 105.4#

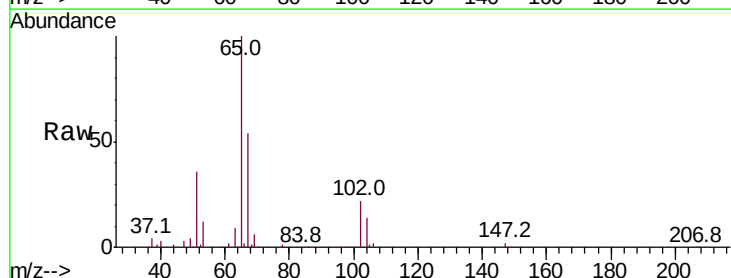


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

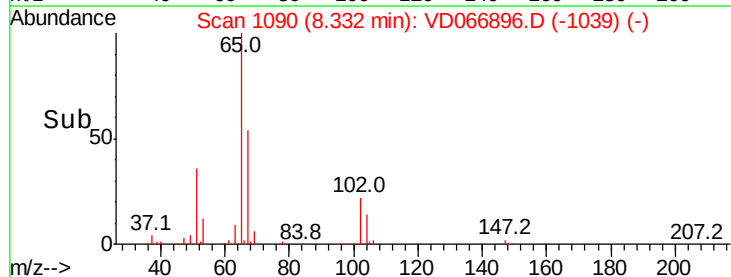
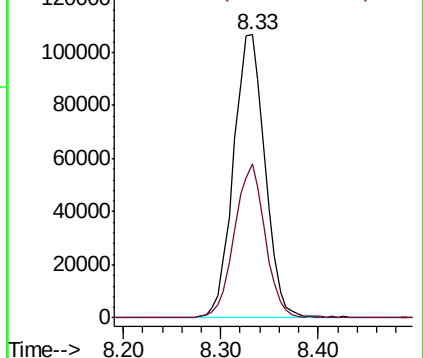


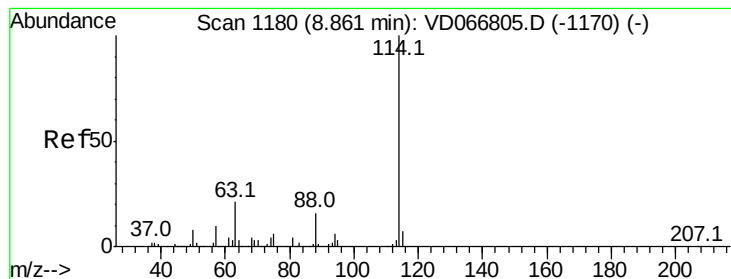
#33
1,2-Dichloroethane-d4
Concen: 49.423 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Tgt Ion: 65 Resp: 240268
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

B-4(10-12)

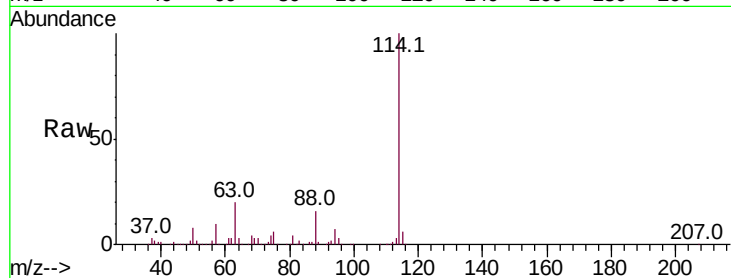
Tot Ion:114 Resp: 832599

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

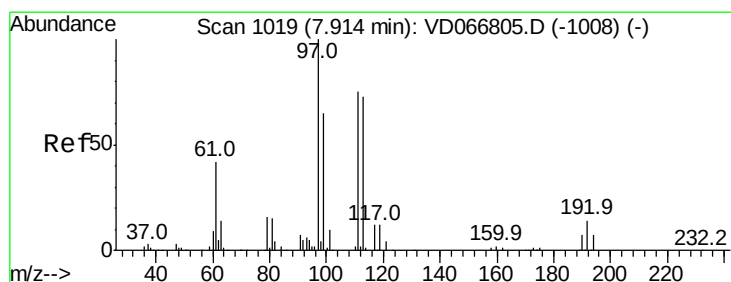
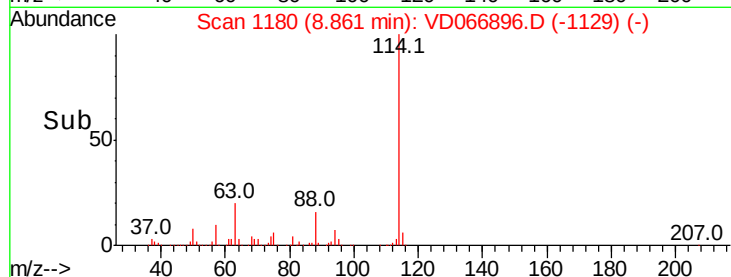
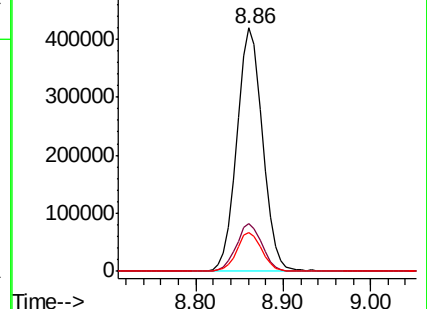
88 16.1 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.815 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

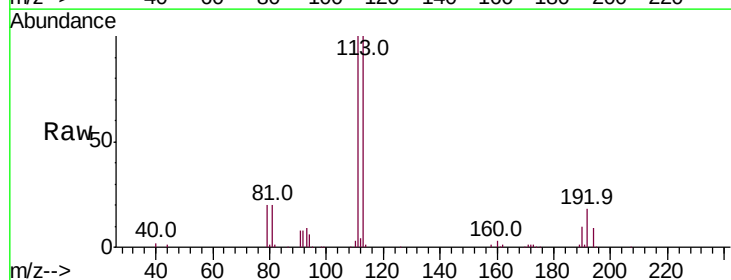
Tgt Ion:113 Resp: 258571

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.8

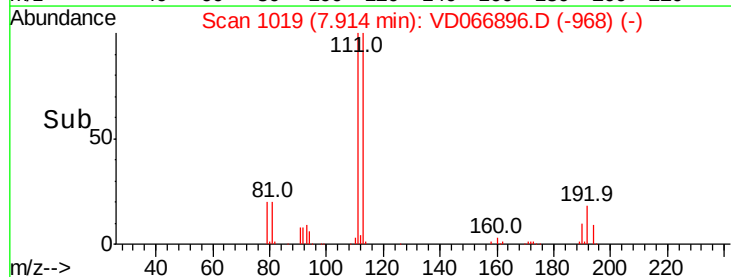
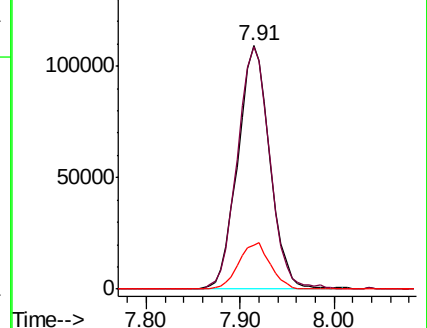
192 18.8 14.4 21.6

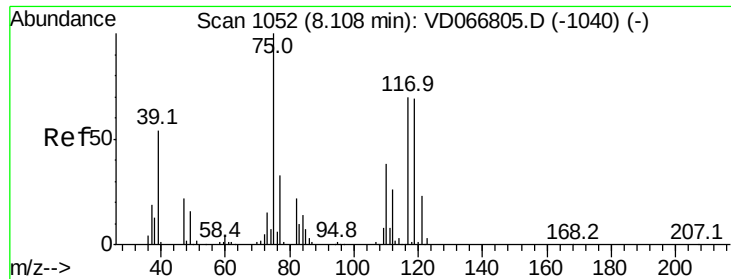


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.841 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

B-4(10-12)

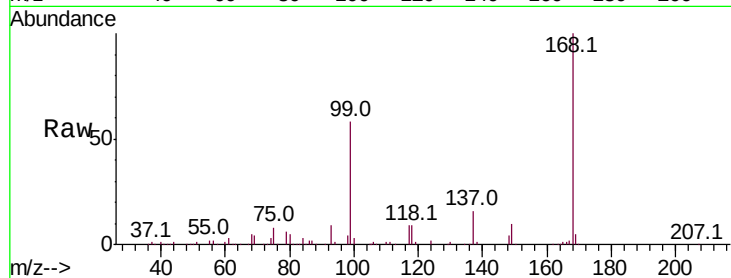
Tot Ion: 75 Resp: 39986

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.8#

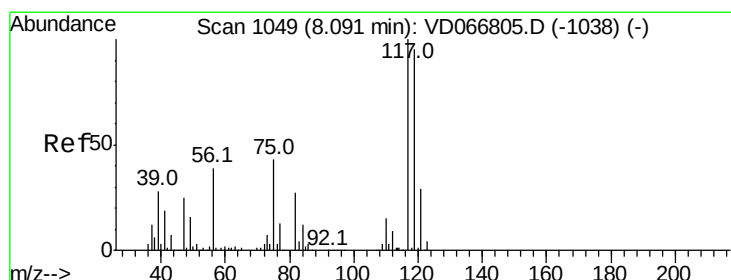
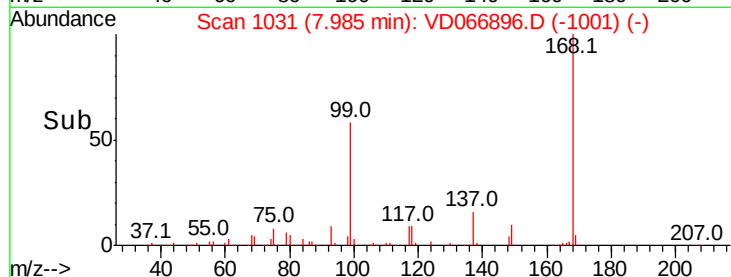
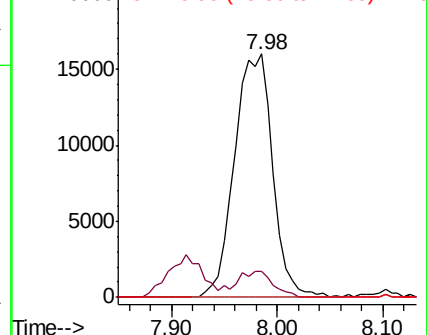
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.605 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

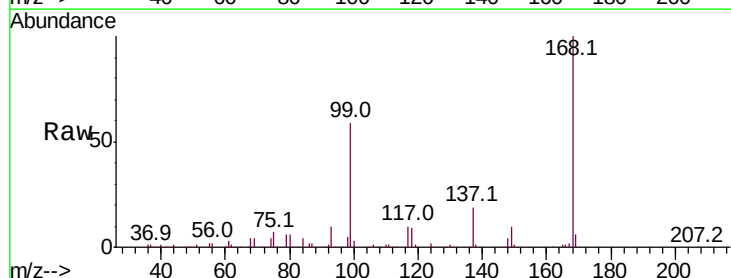
Tgt Ion: 117 Resp: 50615

Ion Ratio Lower Upper

117 100

119 8.0 75.8 113.8#

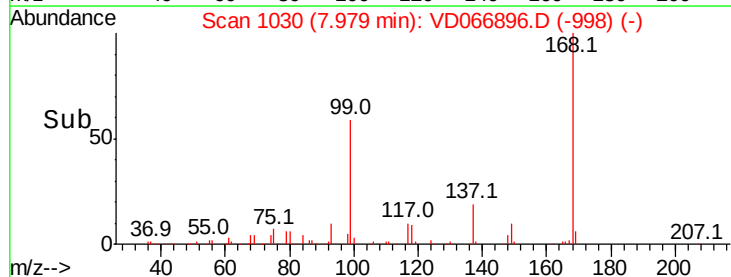
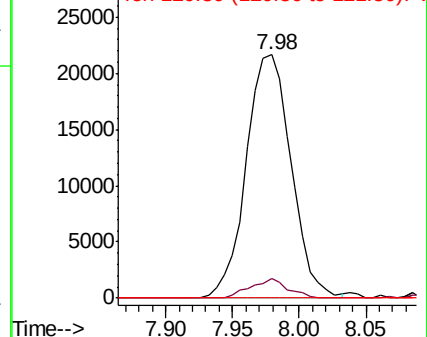
121 0.0 23.4 35.0#

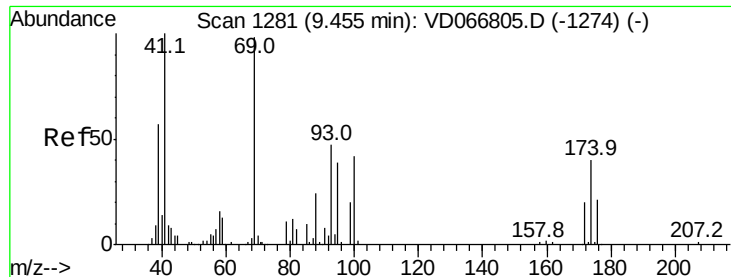


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

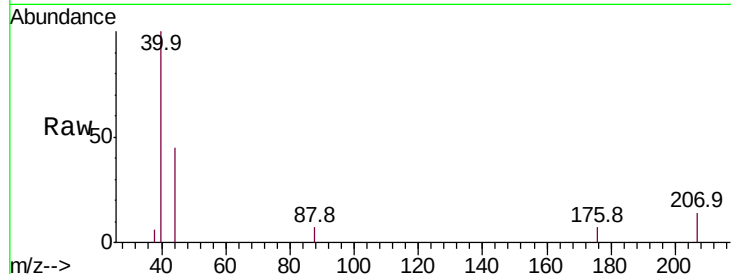




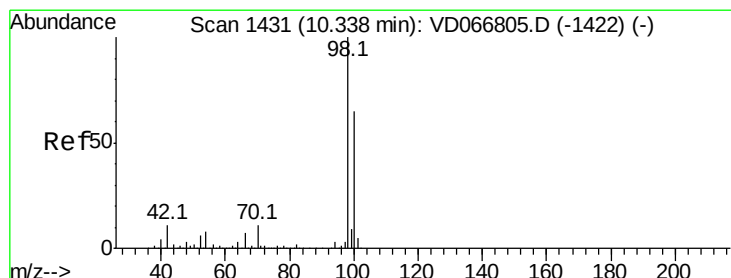
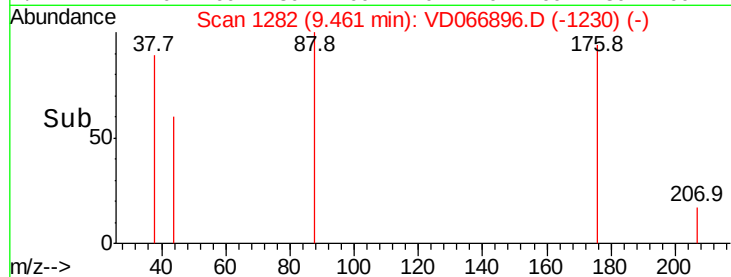
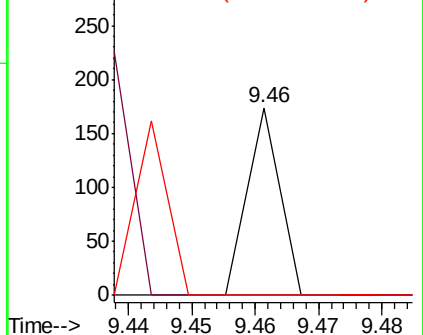
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Instrument :
MSVOA_D
ClientSampleId :
B-4(10-12)

Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 55.5 83.3#

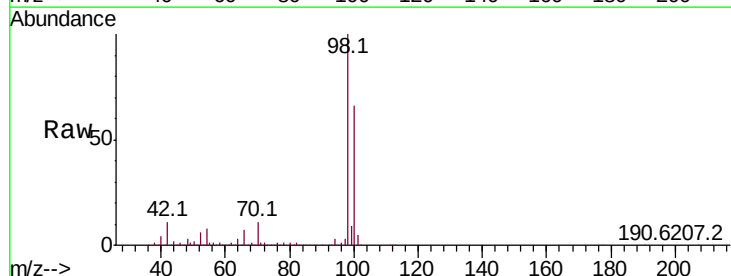


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

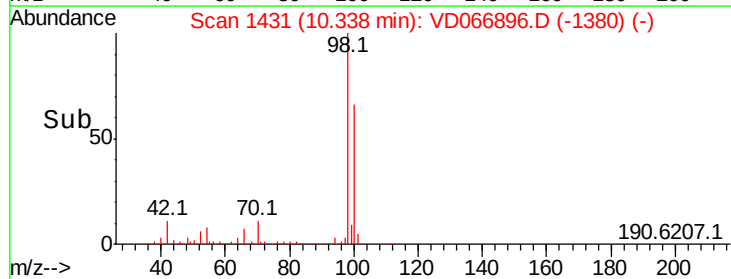
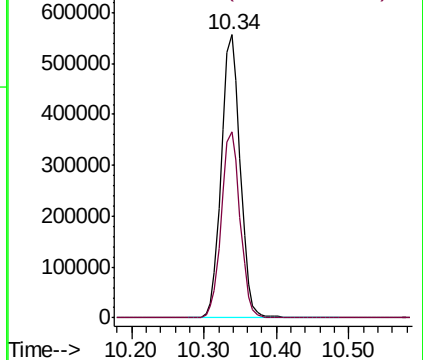


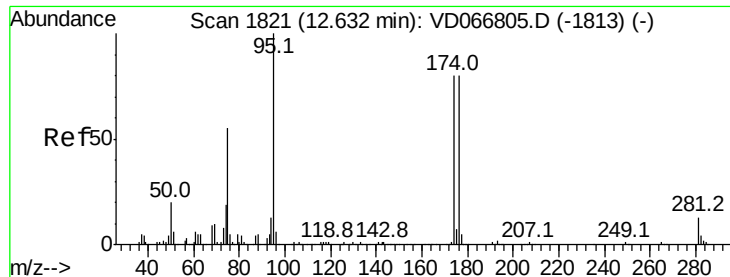
#50
Toluene-d8
Concen: 56.065 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Tgt Ion: 98 Resp: 1011842
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 60.189 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampled :

B-4(10-12)

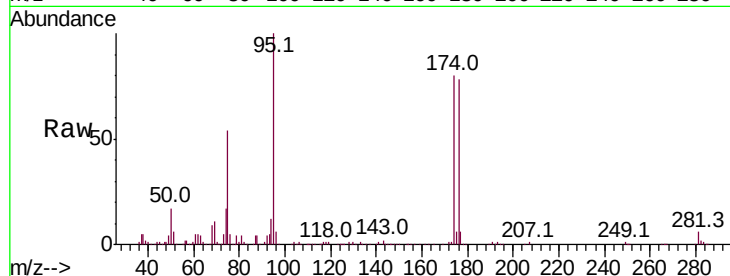
Tot Ion: 95 Resp: 371871

Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.8

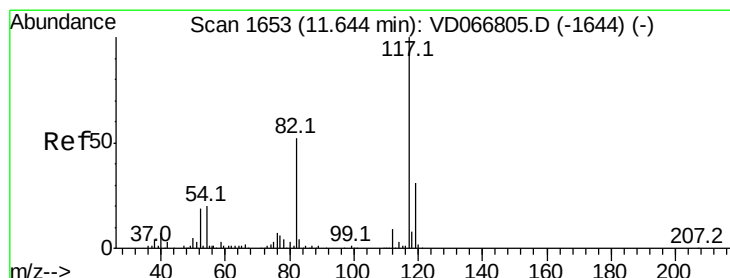
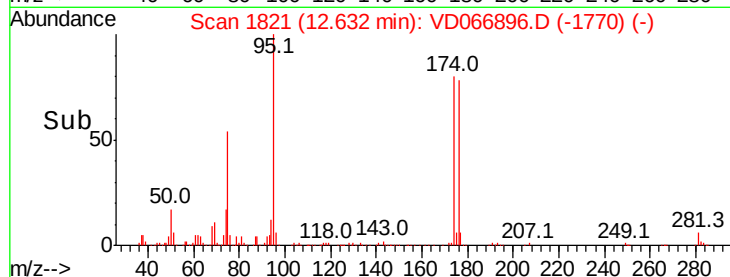
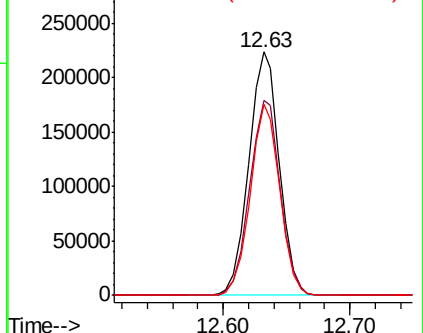
176 76.3 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

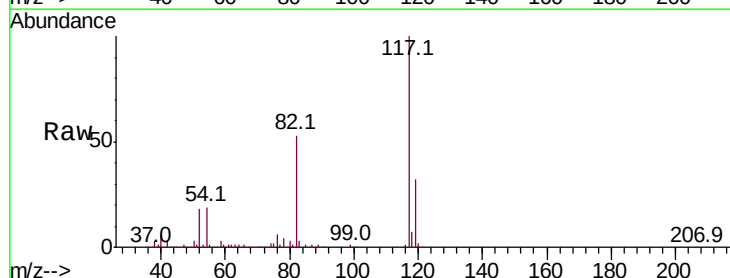
Tgt Ion: 117 Resp: 836788

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.6

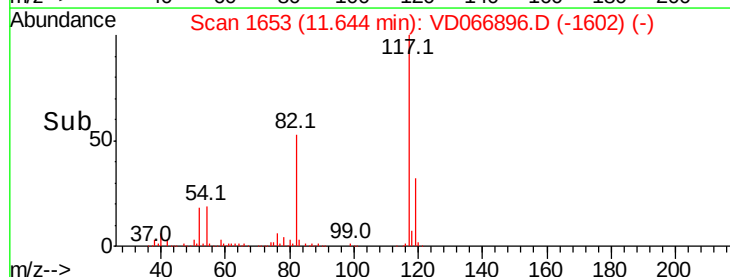
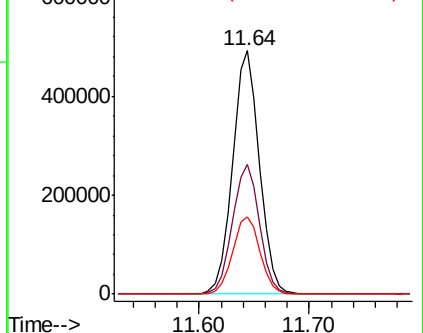
119 31.7 24.6 37.0

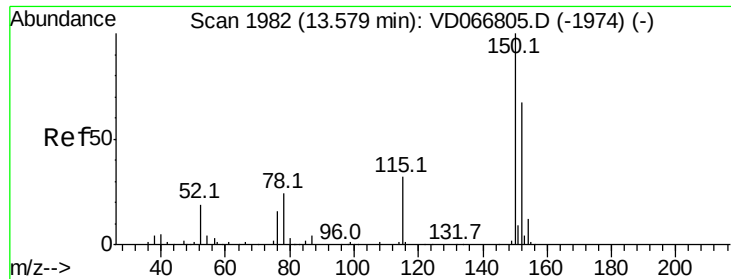


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



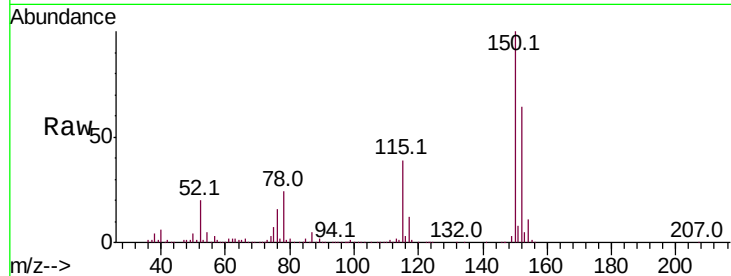


#72

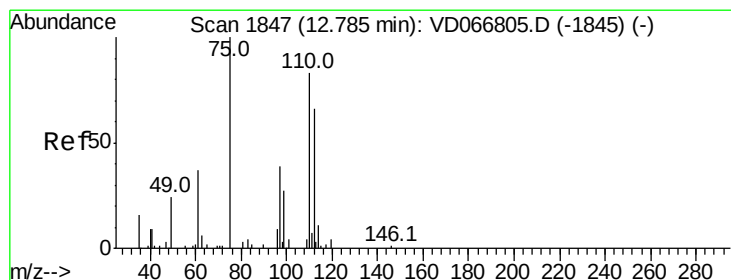
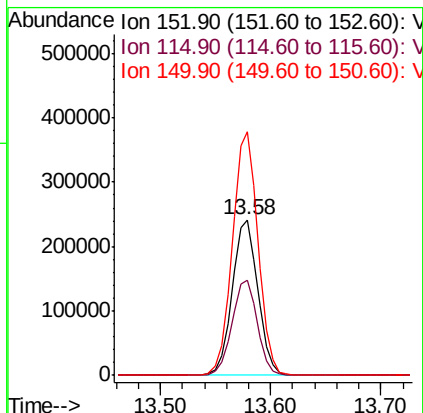
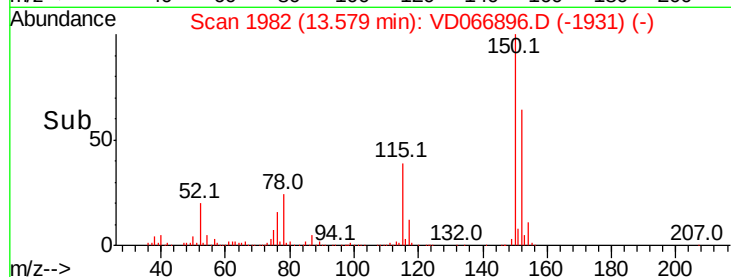
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Instrument :
MSVOA_D
ClientSampleId :
B-4(10-12)

Tot Ion:152 Resp: 392236
Ion Ratio Lower Upper
152 100
115 60.6 30.3 91.0
150 156.4 0.0 346.2



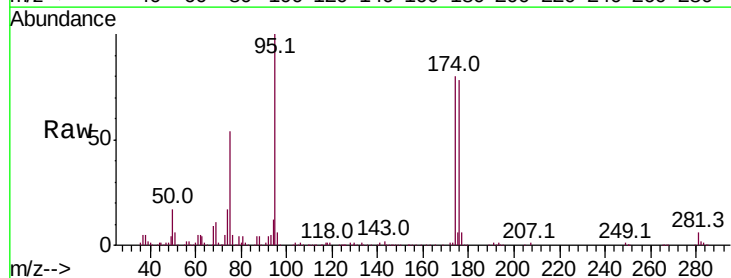
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



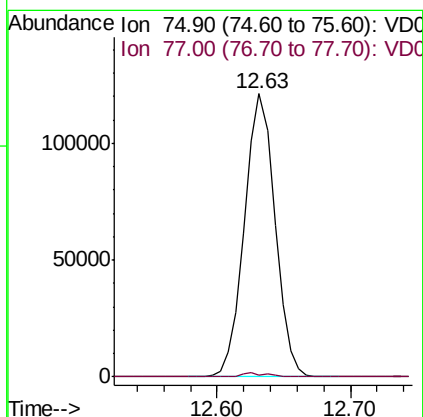
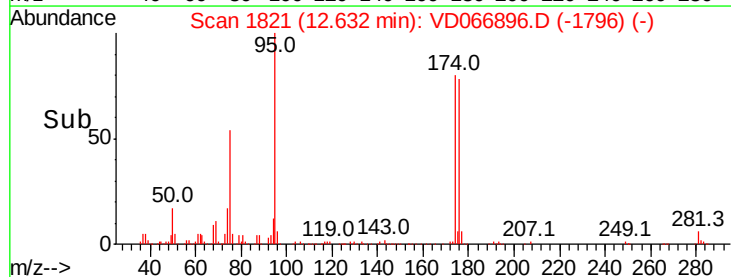
#76

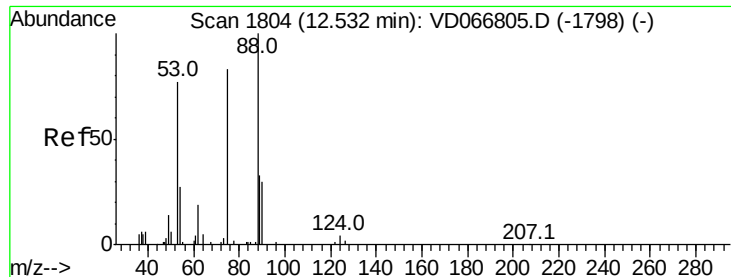
1,2,3-Trichloropropane
Concen: 58.936 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066896.D
Acq: 26 Sep 2020 03:06

Tgt Ion: 75 Resp: 191575
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 147.454 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066896.D

Acq: 26 Sep 2020 03:06

Instrument :

MSVOA_D

ClientSampleId :

B-4(10-12)

Tot Ion: 75 Resp: 191575

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.3 38.1 57.1#

